VII. Tijuana Interceptor Data Summary

In October 1991 the Metropolitan System began accepting sewage flows from the City of Tijuana, State of Baja California, Mexico through an interceptor service connection in San Ysidro, CA. In previous years, flows up to 13 MGD were received from Mexico via the Tijuana Emergency Connection (Interceptor) and were included in the total flows to the Pt. Loma WWTP.

When flow is established via the interceptor, samples are taken at the site of IBWC meter (see Fig. 1. next page) using an ISCO autosampler (volatile organic samples are grabs). The sampling schedule is maintained so as to match the NPDES monitoring at the Pt. Loma WWTP as closely as possible. Weekly samples are taken on the same day as the weekly samples at the Pt. Loma WWTP.

A. Flows

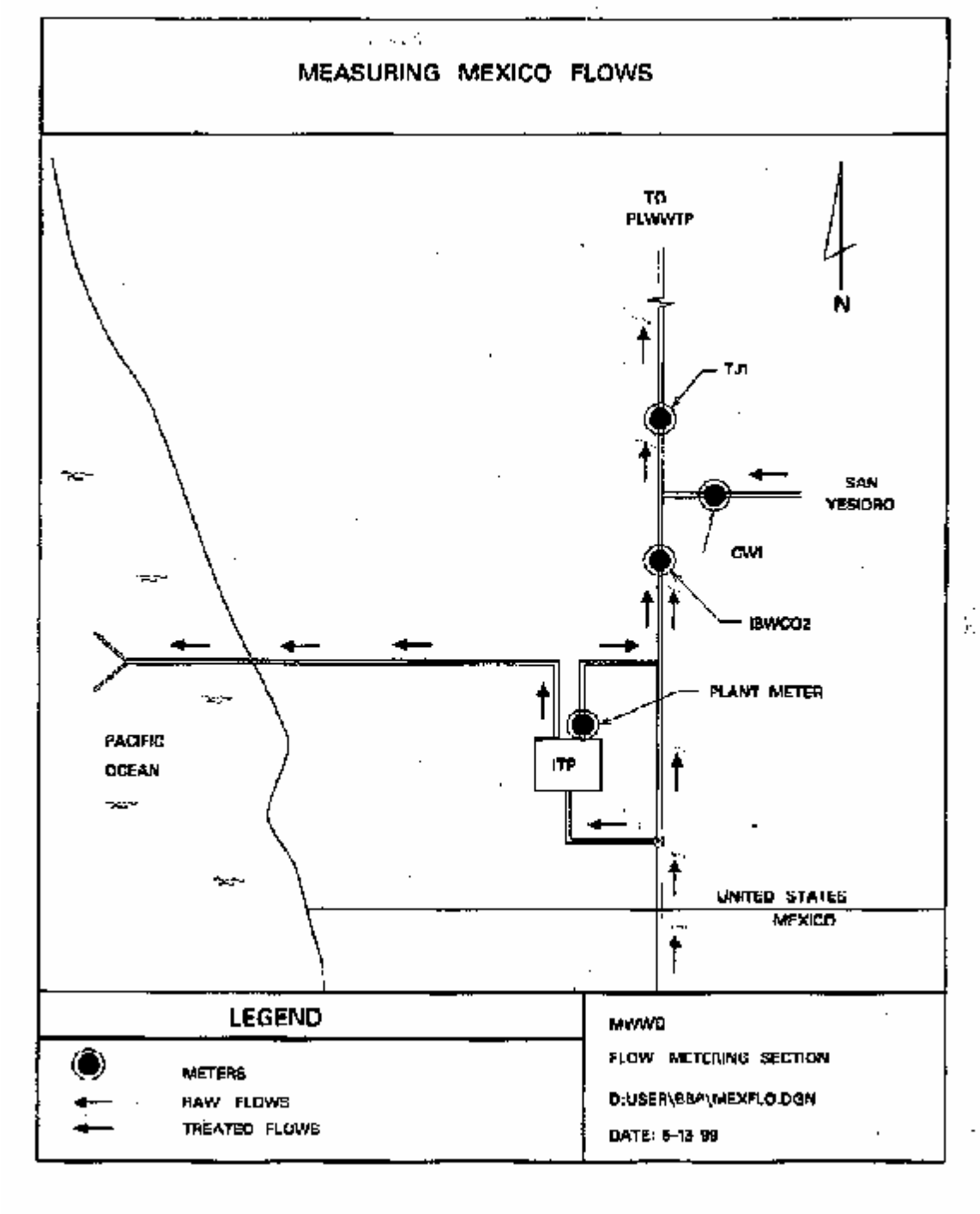
Flow measurements for the Tijuana Interceptor.

Historically, the flows for the Tijuana Interceptor have included the flow meter readings from the TJ1 and IBWC02 meters (see Figure 1.). The IBWC02 meter measured all flows through the interceptor and included only sewage flows to the Metro system from Mexico. However, the IBWC02 meter was disconnected by the International Boundary Water Commission as of December 1st, 2000 and there is no intent for re-establishing it. No data from this meter was submitted in 2006. The IBWC staff have repeatedly stated that it is their intention that no Tijuana wastewater or International Treatment Plant effluent will be discharged into the interceptor. IBWC staff reported that the Emergency connection was not open during 2006.

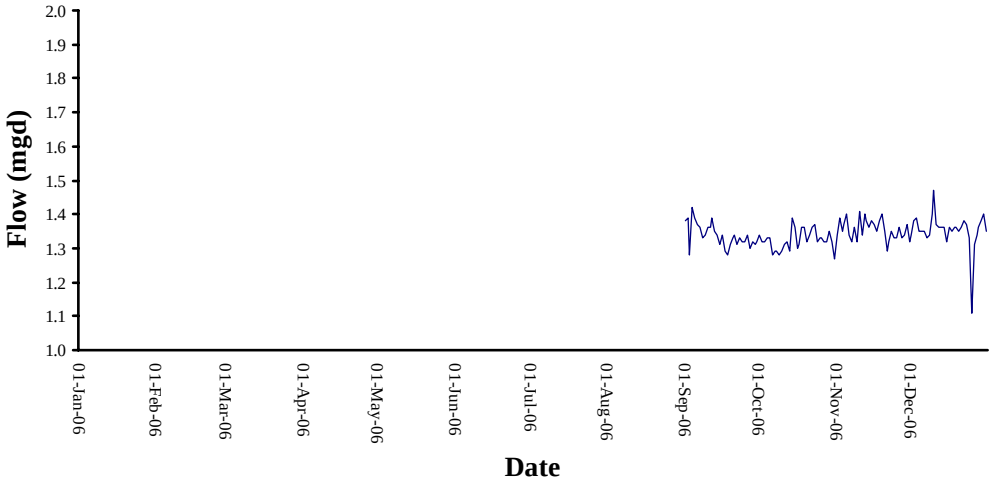
No flow data was recorded from September 24, 2003 to September 1, 2006. Beginning in September of 2006 flow data was recorded at both the TJ1 and CW1 metering sites(figure 1). The flow data at both meters are comparable in magnitude and for 2006 the CW1 flow is considered to be the sole contributor to the downstream TJ1 flow. The nominal positive deviation between these two sites is likely a result of slight differences in flow meter accuracy, independently these meters are considered accurate to +/-10%, and intrusion between the metering site. No samples were taken the entire year of 2006.

B. Note: According to the International Boundary Water Commission's staff reports and our flow meter section's data, there was no flow of wastewater through the Tijuana Interceptor for 2006.

Figure 1. Tijuana Interceptor and location of flow meters.



TIJUANA EMERGENCY CONNECTION
2006 - TJ1 Flows (mgd)

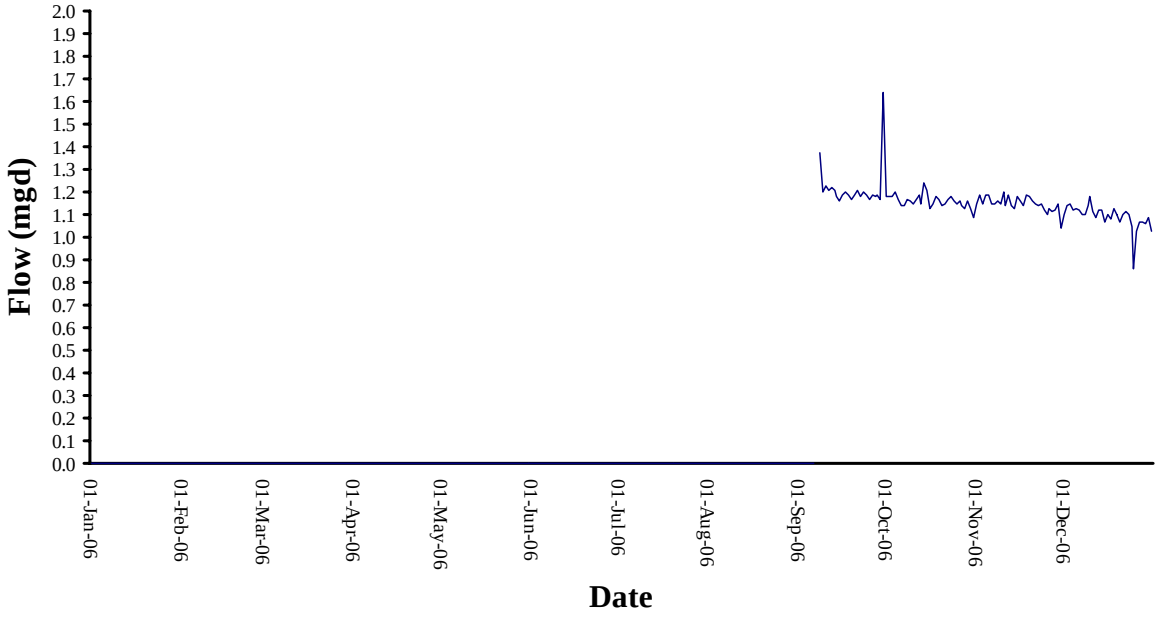


TIJUANA EMERGENCY CONNECTION - 2006

TJ1 Meter Flows (mgd)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1									1.38	1.34	1.34	1.34	
2									1.39	1.32	1.39	1.38	
3									1.28	1.32	1.35	1.39	
4									1.42	1.33	1.37	1.35	
5									1.39	1.33	1.4	1.35	
6									1.37	1.28	1.34	1.35	
7									1.36	1.29	1.32	1.33	
8									1.33	1.29	1.36	1.34	
9									1.34	1.28	1.32	1.4	
10									1.36	1.29	1.41	1.47	
11									1.36	1.31	1.34	1.37	
12									1.39	1.32	1.4	1.36	
13									1.35	1.29	1.38	1.36	
14									1.34	1.39	1.36	1.36	
15									1.31	1.36	1.38	1.32	
16									1.34	1.3	1.37	1.36	
17									1.29	1.31	1.35	1.35	
18									1.28	1.36	1.38	1.36	
19									1.31	1.36	1.4	1.36	
20									1.33	1.32	1.35	1.35	
21									1.34	1.34	1.29	1.36	
22									1.31	1.36	1.32	1.38	
23									1.33	1.37	1.35	1.37	
24									1.32	1.32	1.33	1.33	
25									1.32	1.33	1.33	1.11	
26									1.34	1.33	1.36	1.31	
27									1.3	1.32	1.33	1.34	
28									1.32	1.32	1.34	1.36	
29									1.31	1.35	1.37	1.38	
30									1.32	1.32	1.32	1.4	Annual
31										1.27		1.35	Summary
Average									1.3	1.3	1.4	1.4	1.3
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.1	0.0
Maximum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.5	1.5
Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.1	41.0	40.7	41.9	163.7

TIJUANA EMERGENCY CONNECTION
2006 - CW1 Flows (mgd)

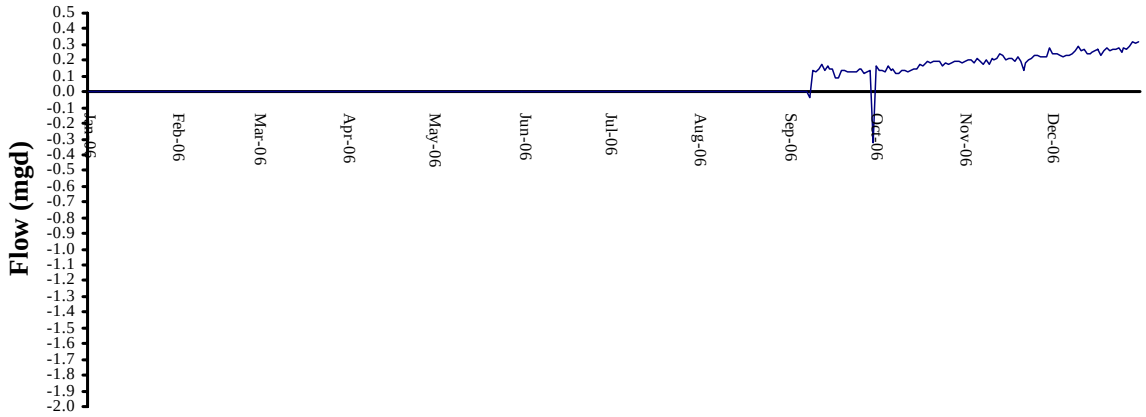


TIJUANA EMERGENCY CONNECTION - 2006

CW1 Meter Flows (mgd)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1										1.18	1.15	1.1	
2										1.18	1.19	1.14	
3										1.18	1.15	1.15	
4										1.2	1.19	1.12	
5										1.17	1.19	1.13	
6										1.14	1.15	1.12	
7										1.14	1.15	1.1	
8									1.37	1.17	1.16	1.1	
9									1.2	1.16	1.15	1.14	
10									1.23	1.15	1.2	1.18	
11									1.21	1.17	1.14	1.11	
12									1.22	1.19	1.19	1.09	
13									1.21	1.15	1.14	1.12	
14									1.18	1.24	1.13	1.12	
15									1.16	1.21	1.18	1.07	
16									1.19	1.13	1.16	1.1	
17									1.2	1.15	1.14	1.08	
18									1.19	1.18	1.19	1.13	
19									1.17	1.17	1.18	1.1	
20									1.19	1.14	1.16	1.07	
21									1.21	1.15	1.15	1.1	
22									1.18	1.17	1.14	1.11	
23									1.2	1.18	1.15	1.1	
24									1.19	1.16	1.12	1.05	
25									1.17	1.15	1.1	0.86	
26									1.19	1.16	1.13	1.03	
27									1.18	1.14	1.11	1.07	
28									1.19	1.13	1.12	1.07	
29									1.17	1.16	1.15	1.06	
30									1.64	1.13	1.04	1.09	Annual
31										1.09		1.03	Summary
Average									1.2	1.2	1.2	1.1	1.2
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.1	1.0	0.9	0.0
Maximum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.2	1.2	1.2	1.6
Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	36.0	34.5	33.8	132.4

TIJUANA EMERGENCY CONNECTION
2006 Meter Flows, TJ1-CW1 (mgd)



TIJUANA EMERGENCY CONNECTION - 2006
TJ1-CW1 Meter Flows (mgd)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1										0.16	0.19	0.24	
2										0.14	0.2	0.24	
3										0.14	0.2	0.24	
4										0.13	0.18	0.23	
5										0.16	0.21	0.22	
6										0.14	0.19	0.23	
7										0.15	0.17	0.23	
8									-0.04	0.12	0.2	0.24	
9									0.14	0.12	0.17	0.26	
10									0.13	0.14	0.21	0.29	
11									0.15	0.14	0.2	0.26	
12									0.17	0.13	0.21	0.27	
13									0.14	0.14	0.24	0.24	
14									0.16	0.15	0.23	0.24	
15									0.15	0.15	0.2	0.25	
16									0.15	0.17	0.21	0.26	
17									0.09	0.16	0.21	0.27	
18									0.09	0.18	0.19	0.23	
19									0.14	0.19	0.22	0.26	
20									0.14	0.18	0.19	0.28	
21									0.13	0.19	0.14	0.26	
22									0.13	0.19	0.18	0.27	
23									0.13	0.19	0.2	0.27	
24									0.13	0.16	0.21	0.28	
25									0.15	0.18	0.23	0.25	
26									0.15	0.17	0.23	0.28	
27									0.12	0.18	0.22	0.27	
28									0.13	0.19	0.22	0.29	
29									0.14	0.19	0.22	0.32	
30									-0.32	0.19	0.28	0.31	Annual
31										0.18		0.32	Summary
Average									0.1	0.2	0.2	0.3	0.2
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.1	0.1	0.2	-0.3
Maximum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.3	0.3
Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	5.0	6.2	8.1	21.8

B. Tijuana Interceptor Data

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL TIJUANA INTERCEPTOR

From: 01-JAN-2006 to: 31-DEC-2006

NOTE: According to the International Boundary Water Commission's staff reports and our flow meter section's data, there was no flow of wastewater through the Tijuana Interceptor for 2006.